BBMP

BRUHAT BENGALURU MAHANAGARA PALIKE

R.R. NAGAR DIVISION

DETAILED ESTIMATION

NAME OF WORK: ADDITIONAL WORKS TO CONSTRUCTION OF SHUTTLE COCK GROUND IN WARD NO.17 J.P.PARK RR NAGARA CONSTITUENCY.

ESTIMATE COST: 600.00 LAKHS

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BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division, RajaRajeswari Nagara Zone.

Additional Works to construction of Shuttle cock Ground in Ward no.17 J.P.Park RR Nagara Constituency.

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Estimate Cost Rs: 600.00 Lakh Rate in Rs	Amount in Rs
				m	m	m			
1	KSRRB M200-15 6 Dismantling Brick / Tiles Work Dismantantling Boulders laid in wire crates including opening of crates and stacking dismantled materials (P No 140 It nO 18 31 PWD SR 2018-19)								
		Cum							
	Door opening to Ladies Toilet		1	0 9	0 2	2 4	0 432		
	Office Entrance Dismantling		1	4 3	0 2	3	2 58		
							3.012		
	Deductions								
			1	1 2	0 2	2 1	0 504		
							2.51	267 84	**672.00**
	Basic Rate Rs =	248 00							
	Add 8% A W Rs =	19 84							
	Total Rate Rs. =	**267.84**							
2	KSRB 2-2 2 Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1 5m and above in width, in Hard soil not exceeding 1 5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2 1(a) / 2 3 5, (P No 6, I No 2 4 of PW,P&IWTD S R 2018-19)								
	For RCC Wall	Cum	1	51 00	0 60	1 00	30 60		
			1	61 30	0 60	1 00	36 78		
	Building All Round CC Kerb		1	87 00	0 30	0 30	7 83		
			2	24 00	0 30	0 30	4 32		
			1	10 00	0 30	0 30	0 90		
	For Steps		1	3 50	2 50	1 00	8 75		
			1	2 50	1 50	1 00	3 75		
			1	3 00	1 50	1 00	4 50		
	For Ladies Toilet		2	12 95	1 10	2 05	58 40		
			4	4 63	1 10	2 05	41 72		
	Partition Wall		1	5 75	0 90	1 50	7 76		
			5	2 20	0 90	1 50	14 85		
			1	4 63	0 90	1 50	6 25		
	Compound Wall		1	13 00	0 90	1 50	17 55		
	Over Burden Earth		1	3 00	4 00	1 00	12 00		
							255.97	484 92	**124123.00**
	Basic Rate Rs =	449 00							
	Add 8% A W Rs =	35 92							
	Total Rate Rs. =	**484.92**							
3	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor,along the external perimeter of building,expansion joints,over the top surface of consolidated earth on which apron is to be laid,surrounding of pipes and conduits with chloropyriphos emulsifiable concentrates of 20% concentration,including cost of chemical,diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications (Plinth area of the building at ground floor only shall be measured) Page No 10 item 3 2								
	Plinth Area	**Sqm**	1	12 95	5 75	--	**74.4625**		
	Basic Rate Rs =	106 00							
	Add 8% A W Rs =	8 48							
	Total Rate Rs. =	**114.48**					**74.4625**	114 48	**8524.00**
4	KSRRB M300-Construction of Embankment with material gravel/murrum KSRRB M300-53 construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification (P No 147, I No 19 60 of PW,P&IWTD S R 2018-19)								
	Bulding Front	Cum	1	91 30	4 70	0 75	321 83		
	Bulding Side		2	21 50	4 00	0 75	129 00		
	Bulding Back Side		1	50 00	4 00	0 75	150 00		
			1	10 00	5 00	0 75	37 50		
							638.33	351 00	**224055.00**
	Basic Rate Rs =	325 00							
	Add 8% A W Rs =	26 00							
	Total Rate Rs. =	**351.00**							

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Sl	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
				m	m	m			
5	KSRRB M400-17 Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications MORTH specification NO 406, (P No 155, I No 20 18 of PW,P&IWTD S R 2018-19)								
	Bulding Front	Cum	1	91.30	4.70	0.25	107.28		
	Bulding Side		2	21.50	3.00	0.25	32.25		
	Bulding Back Side		1	50.00	3.00	0.25	37.50		
			1	10.00	5.00	0.75	37.50		
							214.53	2039.04	437430.00
	Basic Rate Rs =	1888.00							
	Add 8% A.W Rs. =	151.04							
	Total Rate Rs. =	**2039.04**							
6	KSRB-4-1 2 Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No KBS 4.1,4 2, (P No 13, I No.4.2 of PW,P&IWTD S R 2018-19)								
	Bulding Front	Cum	1	91.30	4.70	0.15	64.37		
	Bulding Side		2	21.50	3.00	0.15	19.35		
	Bulding Back Side		1	50.00	3.00	0.15	22.50		
	For RCC Wall		1	51.00	0.60	0.15	4.59		
			1	61.30	0.60	0.15	5.52		
	Building All Round CC Kerb		1	87.00	0.30	0.15	3.92		
			2	24.00	0.30	0.15	2.16		
	For Steps		1	3.50	2.50	0.15	1.31		
			1	2.50	1.50	0.15	0.56		
			1	3.00	1.50	0.15	0.68		
	Fondation bed (Ladies Toilet)		2	12.95	1.10	0.15	4.27		
	Partition wall		1	5.75	0.90	0.15	0.78		
			1	4.63	0.90	0.15	0.63		
			5	2.20	0.90	0.15	1.49		
	Flooring Bed		1	12.50	4.57	0.10	5.71		
	Compound walll		1	13.00	0.90	0.15	1.76		
			1	10.00	5.00	0.75	37.50		
							177.08	5609.52	993310.00
	Basic Rate Rs =	5194.00							
	Add 8% A.W Rs. =	415.52							
	Total Rate Rs. =	**5609.52**							
7	KSRB 5 2-3 Providing and constructing granite size stone masonry in foundation with cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete asper specifications. Specifcation No KBS 5 1 13. (P No.25, I No.5 6 of PW, P&IWTD SR 2018-19)								
	For Steps	**Cum**	1	3.50	2.50	0.80	7.00		
			1	2.50	1.50	0.80	3.00		
			1	3.00	1.50	0.80	3.60		
	Drain		2	13.00	0.45	1.00	11.70		
	Ladies Toilet		1	12.95	0.95	0.60	7.38		
			1	12.95	0.75	0.60	5.83		
	Partition Wall		1	5.75	0.75	0.80	3.45		
			1	12.95	0.60	0.60	4.66		
			1	5.75	0.60	0.80	2.76		
			5	2.20	0.60	0.80	5.28		
			5	2.20	0.75	0.80	6.60		
	Compound wall		1	13.00	0.60	0.60	4.68		
			1	13.00	0.75	0.60	5.85		
							71.79	4963.68	**356348.00**
	Basic Rate Rs.=	4596.00							
	Add 8% A.W Rs. =	367.68							
	Total Rate Rs. =	**4963.68**							
8	Providing and Constructing Granite /size stone masonry in Basement with cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m apart in each course including cost of materaials, labour, curing complete asper specifications. Specifcation No. KBS 5.1 13 (P.No 25, I.No 5 9 of PW, P&IWTD SR 2018-19)								
	Ladies Toilet		1	12.95	0.45	0.40	2.33		
	partition Wall		1	5.75	0.45	0.40	1.04		
	Compound Wall		1	13.00	0.45	0.40	2.34		
							5.71	5921.64	33789.00
	Basic Rate Rs.=	5483.00							
	Add 8% A.W Rs. =	438.64							
	Total Rate Rs. =	**5921.64**							

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Sl	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
				m	m	m			
9	KSRB 4-1.6 , Providing and laying in position plain cement concrete of mix 1 2 4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No KBS 4 1, 4 2(P No 13, I No 4 6 of PWD SR 2018-19)								
	Coping								
			1	12 95	0 45	0 15	0 87		
			1	5 75	0 45	0 15	0 39		
	Compound Wall		1	13 00	0 45	0 15	0 88		
		Cum					**2.14**	5855 76	**12529.86**
	Basic Rate Rs =	5422 00							
	Add 8% A W Rs =	433 76							
	Total =	**5855.76**							
10	KSRB 4-6 1 Providing and removing centering, shuttering, strutting, propping etc , and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications Specification No KBS 4 6.2 (P No 16, I No 4 28 of PW,P&IWTD SR 2018-19)								
	For RCC Wall Footing	Sqm	2	51 00	--	0 30	30 60		
			2	61 30	--	0 30	36 78		
							67.38	278 64	**18775.00**
	Basic Rate Rs =	258 00							
	Add 8% A W Rs =	20 64							
	Total Rate Rs. =	**278.64**							
11	KSRB 4-6 4 Providing and removing centering, shuttering, strutting, propping etc , and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses, plinth and string course including cost of all materials, labour complete as per specifications Specification NO KBS 4 6 2 (P No 16, I No 4 31 of PW,P&IWTD SR 2018-19)								
	For RCC Wall	Sqm	2	51 00	--	1 00	102 00		
			2	61 30	--	1 00	122 60		
	Water Storage Tank Room		1	9 14	--	0 15	1 37		
							225.97	386 64	**87369.00**
	Basic Rate Rs =	358 00							
	Add 8% A W Rs =	28 64							
	Total Rate Rs. =	**386.64**							
12	Providing and removing centering, shuttering, strutting, propping etc , an removal of form work for sides & soffits of beams, beam haunching cantilever girders, bressumers & lintels & not exceeding 1 0 in depth including cost of all materials, labour complete as per specifications - (P No 17, I No 4 34 of PW,P&IWTD SR 2018-19)								
	For RCC Plinth Beam	Sqm	4	12 95	--	0 30	15 54		
			8	2 15	--	0 30	5 16		
			8	4 70	--	0 30	11 28		
			4	1 06	--	0 30	1 27		
			2	5 75	--	0 30	3 45		
	For RCC Chejja		3	1 00	--	0 60	1 80		
			3	2 20	--	0 10	0 66		
			1	1 60	--	0 60	0 96		
	For RCC Lintel		3	0 90	--	0 15	0 41		
			1	1 50	--	0 15	0 23		
			1	2 00	--	0 10	0 20		
			2	12 95	--	0 20	5 18		
			4	4 63	--	0 20	3 70		
			1	0 90	--	0 20	0 18		
			2	1 20	--	0 20	0 48		
	For Roof Beam		2	12.95	--	0 45	11 66		
			2	4 63	--	0 45	4 16		
			6	4 63	--	0 30	8 33		
			2	12 50	--	0 30	7 50		
			1	12 50	--	0 15	1 88		
							84.01	315 36	**26493.00**
	Basic Rate Rs =	292 00							
	Add 8% A W Rs =	23 36							
	Total Rate Rs. =	**315.36**							

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Sl	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
				m	m	m			
9	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No KBS 4.1, 4.2(P.No.13, I.No. 4.6 of PWD SR 2018-19)								
	Coping								
			1	12.95	0.45	0.15	0.87		
			1	5.75	0.45	0.15	0.39		
	Compound Wall		1	13.00	0.45	0.15	0.88		
		Cum					**2.14**	5855.76	12529.86
	Basic Rate Rs. =	5422.00							
	Add 8% A.W Rs. =	433.76							
	Total =	**5855.76**							
10	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No KBS 4.6.2 (P No.16, I No 4.28 of PW,P&IWTD SR 2018-19)								
	For RCC Wall Footing	Sqm	2	51.00	--	0.30	30.60		
			2	61.30	--	0.30	36.78		
							67.38	278.64	18775.00
	Basic Rate Rs.=	258.00							
	Add 8% A.W Rs. =	20.64							
	Total Rate Rs. =	**278.64**							
11	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses, plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 (P No.16, I No.4.31 of PW,P&IWTD SR 2018-19)								
	For RCC Wall	Sqm	2	51.00	--	1.00	102.00		
			2	61.30	--	1.00	122.60		
	Water Storage Tank Room		1	9.14	--	0.15	1.37		
							225.97	386.64	87369.00
	Basic Rate Rs.=	358.00							
	Add 8% A.W Rs. =	28.64							
	Total Rate Rs. =	**386.64**							
12	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of beams, beam hauncing cantilever girders, bressumers & lintels & not exceeding 1.0 in depth including cost of all materials, labour complete as per specifications - (P.No.17, I.No.4.34 of PW,P&IWTD SR 2018-19)								
	For RCC Plinth Beam	Sqm	4	12.95	--	0.30	15.54		
			8	2.15	--	0.30	5.16		
			8	4.70	--	0.30	11.28		
			4	1.06	--	0.30	1.27		
			2	5.75	--	0.30	3.45		
	For RCC Chejja		3	1.00	--	0.60	1.80		
			3	2.20	--	0.10	0.66		
			1	1.60	--	0.60	0.96		
	For RCC Lintel		3	0.90	--	0.15	0.41		
			1	1.50	--	0.15	0.23		
			1	2.00	--	0.10	0.20		
			2	12.95	--	0.20	5.18		
			4	4.63	--	0.20	3.70		
			1	0.90	--	0.20	0.18		
			2	1.20	--	0.20	0.48		
	For Roof Beam		2	12.95	--	0.45	11.66		
			2	4.63	--	0.45	4.16		
			6	4.63	--	0.30	8.33		
			2	12.50	--	0.30	7.50		
			1	12.50	--	0.15	1.88		
							84.01	315.36	26493.00
	Basic Rate Rs.=	292.00							
	Add 8% A.W Rs. =	23.36							
	Total Rate Rs. =	**315.36**							

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Sl	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
				m	m	m			
13	KSRB 4-6 4 Providing and removing centering, shuttering, strutting, propping etc , and removal of form work for Flat surfces such as suspended floors ,roofs,landings,balconies and likes,thickness above 200mm including cost of all materials, labour complete as per specifications Specification NO KBS 4 6 2 (P No 16, I No 4 30 of PW,P&IWTD SR 2018-19)								
	For RCC Roof								
	Water Storage tank	Sqm	1	12 80	--	4 55	58 24		
			1	2 50	--	2 14	5 35		
							63.59	475 20	**30218.00**
	Basic Rate Rs =	440 00							
	Add 8% A W Rs =	35 20							
	Total Rate Rs. =	**475.20**							
14	KSRB 4 2 3 Providing and laying in position plain reinforced cement concrete of design mix M25 with OPC cement @ 340kgs with 20mm and down size graded granite metal coarse aggregates @0 70cum and fine aggregates @0 47cum. with superplasticisers @3ltrs confirming to IS9103-1999 Reaffirmed -2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls(any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications Specification (P No 14, I No 4 12 of PW, P&IWTD S R 2018-19)								
	For RCC Wall Footing	Cum	1	51 00	0 60	0 30	9 18		
			1	61 30	0 60	0 30	11 03		
	For RCC Wall		1	51 00	0 15	1 00	7 65		
			1	61 30	0 15	1 00	9 20		
	For RCC Plinth Beam		2	12 95	0 30	0 30	2 33		
	For RCC Roof Beam		2	13 10	0 15	0 30	1 18		
			3	4 40	0 15	0 30	0 59		
			1	4 63	0 30	0 30	0 42		
	RCC Lintel		1	12 95	0 15	0 30	0 58		
			1	4 63	0 15	0 30	0 21		
	RCC Roof Slab		1	13 10	4 70	0 15	9 24		
	Water Storage Tank Room		1	2 50	2 50	0 15	0 94		
							52.54	6528 60	**343033.00**
	Basic Rate Rs =	6045 00							
	Add 8% A W Rs =	483 60							
	Total Rate Rs. =	**6528.60**							
15	Providing and laying i position Reinforced cement concrete of design Mix M20 with OPC @ 27 20kgs, with 12mm and Down Size graded granite metal coarse aggregate @ 0 05865cum and fine aggregate @0 0391 cum, with Super plasticisers @0 225lts machine mixed , well compacted for plain Chajja of 8 5cms Average thickness ,upto ground floor level, including cost of all materials, labour HOM of machinery, curing, complete as per specifications Specification (P No 15, I No 4 20 of PW, P&IWTD S R 2018-19)								
	RCC Chajja		1	5 00	--	0 60	3 00		
			2	2 00	--	0 60	2 40		
							5.40	535 68	**2893.00**
	Basic Rate Rs =	496 00							
	Add 8% A W Rs =	39 68							
	Total Rate Rs. =	**535.68**							
16	KSRB - 4 9 2 Providing TMT steel reinforcement for R C C work including straightening, cutting, bending, hooking, palcing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications Specification No KBS 4 6 3 TMT Bars Fe-500 (P No 18, I No 4 46 2 of PW, P&IWTD SR 2018-19)								
	Steel	Tonne		**Qty**	**Per Cum**		**Total Qty in kg**		
	For RCC Wall Footing			20 21	160 00	--	3234 24		
	RCC wall			16 85	165 00		2779 43		
	Ladies Toilet (RCC Roof ,Lintel,Beam)			16 50	185 00		3052 50		
	Water Storage Tank Room			1 80	165 00		297 00		
	Floor Base			141 75	51 00		7229 25		
							16592 42	Kg	
							16 59	MT	
						Say	**16.59**	69562 80	**1154215.00**
	Basic Rate Rs =	64410 00							
	Add 8% A W Rs =	5152 80							
	Total Rate Rs. =	**69562.80**							

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Sl	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
				m	m	m			
	Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)(Pg No. 176 lt No. 22.6 I PWD SR 2018-19)								
	Floor	**Cum**	1	21.00	45.00	0.15	141.75		
	Bulding Front	Cum	1	91.30	4.70	0.15	64.37		
	Bulding Side		2	21.50	3.00	0.15	19.35		
	Bulding Back Side		1	50.00	3.00	0.15	22.50		
			1	10.00	5.00	0.75	37.50		
							285.47	5309.28	**1515622.00**
	Basic Rate Rs =	4916.00							
	Add 8% A.W Rs. =	393.28							
	Total Rate Rs. =	**5309.28**							
18	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(Pg No 176 lt No.22.7PW D SR 2018-19)								
	Floor	**Sqm**	1	21.00	45.00	--	945.00		
	Bulding Front	Cum	1	91.30	4.70	--	429.11		
	Bulding Side		2	21.50	3.00	--	64.50		
	Bulding Back Side		1	50.00	3.00	--	150.00		
			1	10.00	5.00	--	50.00		
							1638.61	73.44	120340.00
	Basic Rate Rs.=	68.00							
	Add 8% A.W Rs. =	5.44							
	Total Rate Rs. =	**73.44**							
19	Providing groove cutting for width of 5mm to 10mm and depth 80mm100mm including cost of cutting machine, generator & HOM, including cost of blade,coolant etc , including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc , including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications I.No 22.2.1 Rent								
	Bulding Front	~~Cum~~	18	4.70	--	--	84.60		
	Bulding Side		4	3.00	--	--	12.00		
	Bulding Back Side		10	3.00	--	--	30.00		
			2	5.00	--	--	10.00		
							136.60	145.80	19916.28
	Basic Rate Rs.=	135.00							
	Add 8% A.W Rs. =	10.80							
	Total Rate Rs. =	**145.80**							
20	Providing and fixing pre cast solid cement concrete kerb stones made out of No. 272.21 C C 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete (P No.27, I.No 5.30 of PW,P&IWTD S.R 2018-19)								
	Building All Round CC Kerb		1	87.00	--	--	87		
			2	24.00	--	--	48		
			1	10.00	--	--	10		
							145		
		Nos					**323**	440.64	142327.00
	145/0.45=Say 323								
	Basic Rate Rs.=	408.00							
	Add 8% A.W Rs. =	32.64							
	Total Rate Rs. =	**440.64**							
21	Provoding and applying ready mix priming coat over concrete/masonry/asbestos cement sheet/platered surfaces including preparing the surface after thoroughly cleaning of oil, grease,dirt and other foreign matter, and papering including cost of materials, labour ,complete as per specifications.(P.No.124, I.No.15.80 of PW,P&IWTD S.R 2018-19)								
	Building All Round CC Kerb	Sqm	1	87.00	0.30	--	87		
			2	24.00	0.30	--	48		
			1	10.00	0.30	--	10		
			2	51.00	--	1.00	102.00		
	For RCC Wall (Kerb)		2	61.30	--	1.00	122.60		
							370	39.96	14769.00
	Basic Rate Rs =	37.00							
	Add 8% A.W Rs. =	2.96							

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Sl	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
				m	m	m			
	Total Rate Rs. =	**39.96**							
22	Provoding and applying ready mix spray painting in two coat over concrete/masonry/asbestos cement sheet/platered surfaces including preparing the surface after thoroughly cleaning of oil, grease,dirt and other foreign matter, and papering including cost of materials, labour ,complete as per specifications (P No.124, I No.15.81 of PW,P&IWTD S.R 2018-19)								
	Building All Round CC Kerb	Sqm	1	87.00	0.30	--	87		
			2	24.00	0.30	--	48		
			1	10.00	0.30	--	10		
	For RCC Wall (Kerb)		2	51.00	--	0.60	61.20		
			2	61.30	--	0.60	73.56		
							280	91.80	**25682.00**
	Basic Rate Rs.=	85.00							
	Add 8% A.W Rs. =	6.80							
	Total Rate Rs. =	**91.80**							
23	KSRB 5-14: Providing and constructing Precast concrete solid blocks with compressive strenght not less than 35Kg/sqm with cement mortar 1:4 masonry (quion, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms confirming to IS:2185/1965 in superstructure including cost of materials, labour charges, scalffolding, curing etc., complete as per specifications. (P.No.27, I No.5.27.2 of PW,P&IWTD SR 2018-19)								
	Front Steps	Sqm							
			1	3.30	0.15	--	0.50		
			1	2.90	0.15	--	0.44		
			1	2.50	0.15	--	0.38		
			1	2.10	0.15	--	0.32		
			1	1.70	0.15	--	0.26		
			5	3.30	0.40	--	6.60		
	Stadium Ent Step								
	Field To Road		1	2.40	3.30	--	7.92		
			1	2.00	3.30	--	6.60		
			1	1.60	3.30	--	5.28		
			1	1.20	3.30	--	3.96		
			1	0.80	3.30	--	2.64		
			1	0.40	3.30	--	1.32		
	Building Ent		1	0.90	3.00	--	2.70		
			1	0.60	3.00	--	1.80		
			1	0.30	3.00	--	0.90		
	Building Ent 2		1	0.90	2.30	--	2.07		
			1	0.60	2.30	--	1.38		
			1	0.30	2.30	--	0.69		
	Ladies Toilet Wall		2	12.95	3.60	--	93.24		
			2	4.63	3.60	--	33.30		
			2	4.57	3.00	--	27.42		
			2	12.95	1.00	--	25.90		
	Parapet Wall		2	4.57	1.00	--	9.14		
			2	2.50	2.14	--	10.70		
	Water Storage Tank Room		1	2.10	2.14	--	4.49		
			1	10.00	0.80	--	8.00		
							257.93		
	Deductions		4	1.00	0.90	0.60	2.16		
	V		2	1.00	1.50	0.60	1.80		
	V1		2	1.00	0.75	2.10	3.15		
	Door		1	1.00	1.20	2.10	2.52		
			1	1.00	1.20	2.20	2.64		
							12.27		
							245.66	1029.24	252842.00
	Basic Rate Rs.=	953.00							
	Add 8% A.W Rs. =	76.24							
	Total Rate Rs. =	**1029.24**							
24	KSRB 5-15 : Providing and constructing non-load bearing wall with Solid cement concrete solid blocks of size 400x100x200mm having a block density not less than 1800 Kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to I.S. 2185 (part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No. 5.4								
	Toilet Partition Wall	**Cum**	5	2.2	1	3	33.00		
			2	1.06	1	3	6.36		
			1	2.43	1	3	7.29		
							46.65		
	Deductions								

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Sl	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
				m	m	m			
	Door		1	1	0.75	2.1	1.58		
							45.08	875.88	39480.00
	Basic Rate Rs =	811.00							
	Add 8% A.W Rs =	64.88							
	Total Rate Rs. =	**875.88**							
25	providing and fixing Vitrifiedglazed tiles of approved make, quality & Colour of size 1000 x 1000 x 12mm/ 800mm x 1200mm x 12mm thick fixed on bed of 12mm thick cement mortor for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains , including cost of all materials , mortor, labour,etc , complete as per specifications. **(Market Rate)**								
	Waiting Room	Sqm	3	4.60	6.30	--	86.94		
	Mazzine Flooring top		1	20.80	5.70	--	118.56		
	Office Room		1	7.50	4.60	--	34.50		
	Toilet Enterance and Washing		1	2.12	2.50	--	**5.30**		
			1	4.45	2.32	--	**10.32**		
	Skirting		1	2.35	2.25	--	**5.29**		
	Waiting Room		1	21.80	--	0.10	2.18		
	Office Room		1	23.10	--	0.10	2.31		
	Toilet Enterance and Washimg		1	9.24	--	0.10	0.92		
							266.33	2894.64	770916.00
26	Supply and installation of approved wooden floor for Indoor Hall-Maple Flooring with PU Sealer and coat polish 20mm, Thickness X 60mm Width X 200mm, third & better grade treated Sleeper of size 30X60mm to be installed 30cm centre to centre 20m professional EPDM Rubber pad inclusive of HOM, Labour etc. as per the direction of the Engineer in Charge (**Data Approved rate)**								
	HALL	Sqm	1	20.80	45.55	--	947.44		
	Deduct Coloumns		-24	0.20	0.70	--	-3.36		
							944.08	15000.00	14161200.00
27	Providing and fixing BWF Standards lime marking and painting using LUSTRE Paint for 13.41 x 6m with 400mm Wide limes settle cock flight checking markings including Labour and transplotation (**Data Aproved Rate)**								
		Each	6	-	-	-	**6.00**	11000.00	66000.00
28	Supplying and fixing net pole total weight 200Kg material used Corborundum poles gauge 14 gear top wheel type metal paint type Epoxy paintng movable type portable on wheels Height 5.1ft tapered box with yonex Standard net as per Specifications etc, Complete including transporting Instalation at Site (**Data aproved Rate)**								
		Each	6	-	-	-	**6.00**	32000.00	192000.00
29	Providing and laying pattern flooring for staircase treads and risers using the combination 20mm thick ruby red granite @ 66%, 20 mm thick grey granite @ 20%, 20mm thick 20mm thick black granite 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50mm wide curing etc., wide curing etc., complete (P No 109, INo 14.46 of PW P&IWTD SR 2018-19)								
	Toilet Ent Door Granite	Sqm	1	6.40	0.30	--	1.92		
			1	5.30	0.30	--	1.59		
			1	5.30	0.30	--	1.59		
			1	4.80	0.30	--	1.44		
	Ventilator and Windows Top		5	3.00	0.30	--	4.50		
			1	6.80	0.30		2.04		
	Office Doors		1	5.35	0.30	--	1.61		
	Waiting Room		1	9.46	0.30	--	2.84		
	Wooden Box Top		22	4.40	0.55	--	53.24		
			5	3.60	0.55	--	9.90		
	Front Steps								
			1	3.30	1.20	--	3.96		
			1	3.30	0.15	--	0.50		
			6	3.30	0.40	--	7.92		
			6	3.30	0.15	--	2.97		
	Stadium Ent Step								
			4	3.00	0.30	--	3.60		
			4	3.00	0.15	--	1.80		
			4	2.30	0.30	--	2.76		
			4	2.30	0.15	--	1.38		
							105.55	7769.52	820057.00
	Basic Rate Rs =	7194.00							
	Add 8% A.W Rs =	575.52							
	Total Rate Rs. =	**7769.52**							
30	**For Ceiling Plastering** - Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications (P.No.115, I.No. 15.10 of PWD SR 2018-19)								
			1	12.65	4.57		57.81		
	Toilets								

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Sl	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
	Water Storage tank room		1	2.43	2.43		5.90		
		Sqm					63.72	220.32	14037.78
	Basic Rate Rs =	204.00							
	Add 8% A.W Rs =	16.32							
	Total =	**220.32**							
31	Plastering-Internal:- Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonary including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, Providing Lime rendering for plastering to ceiling including cost of materials, labour, curing complete as per specifications. (P.No.116, I.No. 15.16 of PWD SR 2018-19)								
	For dadooing								
	Gents Toilet	Sqm							
			1	2.50	--	3.00	7.50		
			1	4.50	--	3.00	13.50		
			1	1.15	--	3.00	3.45		
			1	2.40	--	3.00	7.20		
			1	1.30	--	3.00	3.90		
			1	2.00	--	3.00	6.00		
	Toilet								
			2	2.15	--	3.00	12.90		
			2	2.35	--	3.00	14.10		
	Ladies Toilet								
			2	12.50	--	3.00	75.00		
			6	4.57	--	3.00	82.26		
			8	2.20	--	3.00	52.80		
			2	1.06	--	3.00	6.36		
			1	6.20	--	3.00	18.60		
							303.57		
	Deduction								
	D2		2	0.75	--	2.05	3.08		
	V		2	0.90	--	0.60	1.08		
			1	1.50		0.60	0.90		
	V1		2	0.90		0.60	1.08		
	D1		3	1.20	--	2.05	7.38		
	D		1	0.70	--	2.05	1.44		
			9	0.75	--	2.10	14.18		
			1	0.90	--	2.10	1.89		
							31.02		
						Net Qty	272.56		
						Say	**272.60**	281.88	**76840.00**
	Basic Rate Rs =	261.00							
	Add 8% A.W Rs =	20.88							
	Total Rate Rs. =	**281.88**							
32	**For External Plastering:-** Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonary including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.15.16 (P.No.116, I.No 15.16 of PWD SR 2018-19)								
	Toilets		1	12.80		3.60	46.08		
			2	4.55		3.60	32.76		
			2	12.80		0.75	19.20		
			2	4.55		0.75	6.83		
	Parapet wall		4	12.95		1.00	51.80		
			4	4.57		1.00	18.28		
	Storage tank room		4	2.50		2.14	21.40		
			4	2.10		2.14	17.98		
			2	10.00		0.80	16.00		
		Sqm					**230.32**	281.88	**64922.88**
	Basic Rate Rs. =	261.00							
	Add 8% A.W Rs. =	20.88							
	Total =	**281.88**							
33	KSRB 15-5.1 Providing rough plastering 15mm thick in single coat with cement mortor 1:4, to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(P No.117, I No.15.30 of PW,P&IWTD S.R 2018-19)								
	For dadooing	Sqm							
	Gents Toilet								
			1	2.50	--	2.10	5.25		
			1	4.50	--	2.10	9.45		
			1	1.15	--	2.10	2.42		
			1	2.40	--	2.10	5.04		
			1	1.30	--	2.10	2.73		
			1	2.00	--	2.10	4.20		

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Sl	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Toilet								
			2	2.15	--	2.10	9.03		
			2	2.35	--	2.10	9.87		
	Ladies Toilet								
			12	1.06	--	2.10	26.71		
			2	0.76	--	2.10	3.20		
			1	2.72	--	2.10	5.71		
			8	2.15	--	2.10	36.12		
			2	2.43		2.10	10.21		
							129.94		
	Deduction								
	D2								
	V		2	0.75	--	2.10	3.15		
			2	0.90	--	0.60	1.08		
			1	1.50	--	0.60	0.90		
	V1		2	0.90		0.60	1.08		
	D1		1	1.20	--	2.10	2.52		
	D		1	0.70	--	2.10	1.47		
			4	0.75	--	2.10	6.30		
			1	0.90	--	2.10	1.89		
							18.39		
						Net Qty	111.55		
						Say	**111.60**	221.40	**24708.00**
	Basic Rate Rs =	205.00							
	Add 8% A W Rs. =	16.40							
	Total Rate Rs. =	**221.40**							
34	KSRB 14-17.2: Providing skirting dado, raises of steps with colour glazed tiles 15x15cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using galzed tiles of approved amke and size including cost of materials, labour, complete as per specifications. Specification No. KBS 14.16, 14.17 (P No.108, I No.14.41.1 of PW,P&IWTD SR 2018-19)								
	For dadoing								
	Gents Toilet	Sqm							
			1	2.50	--	2.10	5.25		
			1	4.50	--	2.10	9.45		
			1	1.15	--	2.10	2.42		
			1	2.40	--	2.10	5.04		
			1	1.30	--	2.10	2.73		
			1	2.00	--	2.10	4.20		
	Toilet								
			2	2.15	--	2.10	9.03		
			2	2.35	--	2.10	9.87		
	Ladies Toilet		12	1.06	--	2.10	26.71		
			2	2.43	--	2.10	10.21		
			1	2.72	--	2.10	5.71		
			6	2.15	--	2.10	27.09		
			2	2.15	--	2.10	9.03		
			2	0.76	--	2.10	3.19		
							129.93		
	Deduction		6	0.75	--	2.10	9.45		
	D2		2	0.90	--	0.60	1.08		
	V		1	1.20	--	2.10	2.52		
	D1		1	0.70	--	2.10	1.47		
	D						14.52		
						Net Qty	115.41		
						Say	**115.50**	1372.68	**158545.00**
	Basic Rate Rs =	1271.00							
	Add 8% A W Rs. =	101.68							
	Total Rate Rs. =	**1372.68**							
35	KSRB 14.14-5: Providing ceramic tiles of approved make, shade and size 30 x 30cms for flooring, treads of steps and landings laid on a bed of 12mm thick cement mortor 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. (P.No.108, I.No.14.36.2 of PW,P&IWTD SR 2018-19)								
	Ground Floor	Sqm							
	Toilet		1	2.00	2.50	--	5.00		
			1	1.15	2.50	--	2.88		
			2	2.40	1.60	--	7.68		
			1	1.50	2.30	--	3.45		
			1	2.30	2.20	--	5.06		
			4	1.06	2.15	--	9.12		
	Ladies Toilet		1	1.06	1.16	--	1.23		
			2	0.76	2.15	--	3.27		

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Sl	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
				m	m	m			
							37.68		
						Say	**37.70**	1306.80	49266.00
	Basic Rate Rs.=	1210.00							
	Add 8% A.W Rs. =	96.80							
	Total Rate Rs. =	**1306.80**							
36	KSRB - 15.3.11 Providing 20mm thick cement plaster in single coat with cement mortor 1:4, to stone masonry and concrete surface including rounding off corners wherver required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No. 116, I.No.15.19 of PW,P&IWTD S.R 2018-19)								
	Front Step	Sqm							
			1	3.30	0.60	--	1.98		
			1	3.30	0.15	--	0.50		
		5	1	3.30	0.40	--	6.60		
		5	1	3.30	0.15	--	2.48		
	Stadium Enterance Step	4	1	3.00	0.30	--	3.60		
		4	1	3.00	0.15	--	1.80		
		4	1	2.30	0.30	--	2.76		
		4	1	2.30	0.15	--	1.38		
							21.09	292.68	6173.00
	Basic Rate Rs.=	271.00							
	Add 8% A.W Rs. =	21.68							
	Total Rate Rs. =	**292.68**							
37	Providing& fixing of glazed 3 track -2 panel sliding windows with mesh made out of multi chambered Upvc section with TPV gaskets having isolated drainage and reinforced with GI throughout the Window the sliding outer frame having a overall size 108x45mm with reinforcement of 1mm thickness, sash with overall size of 39x58mm with reinforcement of 1.5 mm thickness , mesh sash of overall size 30x48.5 mm reinforced with 1.5 mm of GI Glazing bead for fixing kof glass shall be of size 20x18mm & coextruded with gasket, Fiber Glass mesh shall be provided in mesh shutter. Windows shall be provided with 5mm plain float glass, standard hardware and single point locking system of flush lock Wall thickness of frame, mullion & sash shall be 2-2.2 mm (P.No.309, I.No.38.44.5 of PW,P&IWTD SR 2018-19)								
	Hall Windows	Sqm	22	1.85	--	1.15	46.81		
	Waiting Room windows		2	2.00	--	1.20	4.80		
	Office Room windows		5	2.00	--	1.20	12.00		
	Toilet Passage Windows		3	0.75	--	2.00	4.50		
	V1		5	0.90	--	0.60	2.70		
			5	0.90	--	0.60	2.70		
	V2		1	1.50	--	0.60	0.90		
							74.41	5310.36	395117.00
	Basic Rate Rs.=	4917.00							
	Add 8% A.W Rs. =	393.36							
	Total Rate Rs. =	**5310.36**							
38	Providing and fixing Stainless steel 304 grade for staircase railing balconies, ramps, with hand rail, 50mm dia 16 guage hollow pipe wilded to vertical hollw 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia, stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete using by expansion bolts by drilling concerte etc., complete including cost of materials, labours, HOM of machineries and electrical charges, etc., complete as per specification (P.No.45, I.No.7.38 of PW, P&IWTD SR 2018-19)								
		Sqm							
	Front Steps		4	3.00	--	1.50	18.00		
							18.00	6502.68	117048.00
	Basic Rate Rs.=	6021.00							
	Total Rate =	**6021.00**							
	Add 8% A.W Rs. =	481.68							
	Total Rate Rs. =	**6502.68**							
39	KSRB - 7.9: Providing and fixing M.S.grill work for windows and ventilators weighing 21 kg/sqm using M.S. flats, or M.S.square rods, or combination of M.S.flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifictions. Specification No. KBS 7.12 (P.No.34, I.No.7.9 of PW, P&IWTD SR 2018-19)								
	Waiting Room windows		2	1.20	--	2.00	4.80		
	Office Room Windows		5	1.20	--	2.00	12.00		
	Toilet Passage Windows		3	0.75	--	2.00	4.50		
			1	1.50	--	0.60	0.90		
	V1		5	0.90	--	0.60	2.70		
			5	0.90	--	0.60	2.70		
							27.60		
	Cosider weight 21kg/sqm		--	--	--	--	579.60		

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Sl	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
						Say	580.00	102.60	59508.00
	Basic Rate Rs.=	95.00							
	Add 8% A.W Rs. =	7.60							
	Total Rate Rs. =	**102.60**							
40	KSRB 15-18.2: Providing and applying enamel metal paint two coats (Excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materails, labour, complete as per specifications. (P.No.123, I.No 15.74 of PW, P&IWTD S.R 2018-19)								
	For Grill Painting	Sqm							
	Waiting Room windows		2	1.20	--	2.00	4.80		
	Office Room windows		5	1.20	--	2.00	12.00		
	Toilet passage Windows		3	0.75	--	2.00	4.50		
	VI		6	0.90	--	0.60	3.24		
							24.54	102.60	**2518.00**
	Basic Rate Rs.=	95.00							
	Add 8% A.W Rs. =	7.60							
	Total Rate Rs. =	**102.60**							
41	Aluminum plain/perforated/Mirror finish false ceiling VT-35mm (Vertical drop 35 mm) Providing, supplying and erection false ceiling with lay in tile system with aluminum powder coated tiles-Boxer type VT-35 mm fabricated from special aluminum grade 3003/100(Al-Mn) of H-46 to H-48 boxer type panels with Non-metallic finish. Panel details:- The good quality fully finished ceiling systems consists of Aluminum powder coated false ceiling panels comprising 595mmx595mmx 35mm H. This panels are tapered out on all the four sides sloping towards inside and the size is 565mmx565mm. The panels are non combustible fire proof This panels has excellent Aesthetic look and the panels are made out of special imported powder coated aluminum sheet of 0.8mm thick the sheets consists of Aluminum alloy of AA 3003/1100. This special fully finish panels will have solution one where the panels will go drop down by 35 mm and solution two where the panels will go up by 35mm. This panel also have above got perforation and the dia of the perforation is 2mm and the distance between one perforation to another perforation is 10.00mm centre to centre the perforation in the panels are in straight line. These panel are provide with sound absorption mat.(P No 326, I No 39.12.4 of PW,P&IWTD SR2018-19)								
	Hall		1	20.80	50.50	--	1050.40		
	Office Room , Wiating Room And Toilet Block		1	20.40	5.70	--	116.28		
							1166.68	1777.68	**2073984.00**
	Basic Rate Rs.=	1646.00							
	Add 8% A.W Rs. =	131.68							
	Total Rate Rs. =	**1777.68**							
42	Providing and Fixing wall paneling using sal woodframe work 2"-2"Sections placed at 2'-0" C/C both horizontally and vertically, front face cladded with 12mm W.P Ply Wood Which will be cladded with veener of approved make and shade finished with polish work **(Approved Data Rate)**								
	Hall (above Wall)	Sqm	20	4.35	--	4.75	413.25		
			2	4.30	--	4.30	36.98		
			4	3.50	--	4.75	66.50		
			3	3.80	--	4.30	49.02		
			3	3.75	--	4.75	53.44		
	Ofice Room & Waiting Room	Sqm	1	3.10	--	2.70	8.37		
			1	4.57	--	2.70	12.34		
			1	3.10	--	2.70	8.37		
			1	3.53	--	2.70	9.53		
			1	5.10	--	2.70	13.77		
			1	7.50	--	2.80	21.00		
			1	3.80	--	2.80	10.64		
			1	5.77	--	2.80	16.16		
			2	6.70	--	2.80	37.52		
			2	4.87	--	2.80	27.27		
			14	1.7	--	7.65	182.07		
	Hall Coloumns		4	1.00	--	7.60	30.40		
			4	1.35	--	7.60	41.04		
			2	1.00	--	4.50	9.00		
			4	1.30	--	4.50	23.40		
							1070.07		
			22	1.80	--	1.10	43.56		
	Deductions		4	2.00	--	1.20	9.60		
	Office and Waiting Room Windows						**53.16**		
							1016.91	9500.00	**9660602.00**

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Sl	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
43	Providing & fixing of 2-track X 2-Panel Sliding window made out of multi chambered UPVC (MATCHING To RAL-9016) sections and with minimum TiO2 (titanium Dioxide)at PHR with TPV (Thermo Plastic Vulcanized) and lead free, gaskets -grey colour having isolated drainages and reinforced with galvanized iron profilw through out the window frame. the outer frame having a overall size of 60mm width X 45mm height with reinforcement of1mm thickness and sash with overall size of 39mm X 58mm with GI reinforcement of 1mm for the frame and 1.5mm for the sash .Glazing bead for fixing of glass shall be of size 20mm X 24mm. Windows shall be provided with 5mm plain float glass ,standard hardware & single point locking system with touch lock. wall thickness of frame &sash shall be of 2-2.5mm. maximam possible size- 1219mm X 1219mm. (P.No.308, I.No.38.44.1 of PW,P&IWTD S.R 2018-19).								
	Gents Toilet Door	Sqm	2	1.80	--	2.10	7.56		
			1	0.90	--	2.10	1.89		
	Ladies Toilet Door		2	1.20	--	2.10	5.04		
							14.49	3268.08	**47354.00**
	Basic Rate Rs.=	3026.00							
	Add 8% A.W Rs. =	242.08							
	Total Rate Rs. =	**3268.08**							
44	Providing & fixing in Position UPVC partitions made out of multi chambered UPVC (MATCHING To RAL-9016) sections and with minimum TiO2 (titanium Dioxide)at PHR with TPV (Thermo Plastic Vulcanized) and lead free, gaskets -grey colour having isolated drainages and reinforced with galvanized iron profilw through out the window frame. the outer frame having a overall size of 60mm width X 45mm height with reinforcement of1mm thickness and sash with overall size of 39mm X 58mm with GI reinforcement of 1mm for the frame and 1.5mm for the sash .Glazing bead for fixing of glass shall be of size 20mm X 24mm. Windows shall be provided with 5mm plain float glass ,standard hardware & single point locking system with touch lock. wall thickness of frame &sash shall be of 2-2.5mm. maximam possible size- 1819mm X 1819mm. (P.No.309,								
	Office Room	Sqm	1	3.80	--	3.00	11.40		
			1	3.80	--	2.80	10.64		
			1	3.50	--	2.80	9.80		
							31.84	5310.36	169082.00
	Basic Rate Rs.=	4917.00							
	Add 8% A.W Rs. =	393.36							
	Total Rate Rs. =	**5310.36**							
45	SOLID PVC DOOR FRAME Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge. (P.No.60, I.No.9.84 of PWD SR 2018-19)								
	Toilet Doors		9	0.75		2.10	**14.18**		
							14.18	505.44	7164.61
		Sqm							
	Basic Rate Rs. =	468.00							
	Add 8% A.W Rs. =	37.44							
	Total =	**505.44**							
46	Providing and Fixing on Wall surface 4.0kg/sq.cm H.D.P.E Rain Down water Pipes 110mm Dia with neccessory special like shoes,bends,and offsets fixed with iron clamps ,wall plugs, screws, including cost of materials ,Labour, complete As per Specification. (P No 49 INo 8.19 PW P&IWTD S.R 2018-19)								
	GI Down Water Pipes	Rmt	12	--	--	9.00	**108.00**	552.96	59720.00
	Basic Rate Rs.=	512.00							
	Add 8% A.W Rs. =	40.96							
	Total Rate Rs. =	**552.96**							
47	Fabricating supplying and erecting M.S. Angular Truss o all spans as per approved design and drawing. The entire truss is anchored suitably by using 4 nos of M.S anchor bolts at each support, with base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S angle and welding wherever necessary, and applying one materials, labour charges & hire charges of machineries for cutting welding, granding and erection equipments, etc, complete as per specification. (P No 43 INo 7.30 PW P&IWTD S.R 2018-19)								
	Canopy	Kg	2	4.50	3.50	--	31.50		
	Considering 50kg/sqm					kg	**1575.00**		
	31.50*50=1575								
	Spiral Stair Case		1	1.40	4.50	--	6.30		
	Considering 180 kg/sqm								
	6.30*180= 1134					kg	**1134.00**		
	Window Chajja Frames		22	2.10	1.00	--	46.20		
			22	2.10	1.00	--	46.20		
			44	0.55	1.00	--	24.20		
			44	0.55	1.00	--	24.20		
							140.80		
	Considering 6kg/sqm								
	140.80*3=844.80					kg	**844.80**		
	Staircase								
	Ground Floor To Mazzine Floor					Kg	**950.00**		
	Sump tank Cover					Kg	**36.00**		
	Frame work for Lighting								

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Sl	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
				m	m	m			
	Truss work				Kg/m				
	RHS (150x150x5mm)	7	2	2	22.26		623.28		
	RHS (120x60x4mm)	7	2	19.3	10.7		2891.14		
		7	12	0.13	10.7		116.844		
	ISA (65x65x8mm)	7	8	0.25	7.7		107.8		
	Wire rope	7	2	8.75	1.41		172.725		
	Plate (300x100x10mm)	7	6	0.30x0.1x0.01x7850			98.91		
							4010.70		
	3928.27 X 7 Frames						**28074.89**		
							32614.69	138.24	4508655.00
	Basic Rate Rs =	128.00							
	Add 8% A.W Rs =	10.24							
	Total Rate Rs. =	**138.24**							
48	Providing 2 Legged Scaffolding for Extended Cladding And Roofing work using 10-15 cms dia best Quality casurina poles of 4m over all length (3m+0.5m projection +0.5m In to the ground) the distance between two rows being 1.25m and spacing of posts being 2m in both rows with 2 horizontal posts with 0.5mm overlap on either side and braces at 2 m c to c including longitudinal and transverse middle braces to step up and providing platform with casurina poles , forms tied up using coir rope complete as per specification.(P No 18,22,23 INo 4.43.1 Note no. 4 & 5 PWD S.R 2018-19)								
		Mtr							
	Eastern Side And Western side		2	50.85	--	8.00	813.60	510.84	415619.00
	Basic Rate Rs.=	336.00							
	Lift Charges 8-3=5m for Every floor 6Rs **2*6=12**	**12.00**							
	additional charge of Scaffilding above Limits 8-3m=5m								
	Amount For Every 1m = 25Rs **5*25= 125**	**125.00**							
	Total Rate Rs =	**473.00**							
	Add 8% A.W Rs. =	37.84							
	Total Rate Rs. =	**510.84**							
49	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trpezoidal profiled sheet of approved make 1060mm width (1000mm cover width), 28-30 mm crest height with cest distance of 200 mm c/c with 2 ribs at the center for stiffening , The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc -Alu Alloy coating AZ 150 gsm as pe ASTM 1397/A755-550 mpa steel grade. 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling /self tapping screws of 25mm length,to be fixed over the existing purlins, rafters channel and trusses. (P.No.299, I.No.38.30 of PW,P&IWTD S.R 2018-19)								
		Sqm							
	Roof Gutter		2	50.85	1.50	--	**152.55**		
	For Side Cladding Extended area		2	50.85	1.50	--	**152.55**		
	For Roof extended Area		2	50.85	1.50	--	**152.55**		
	Canopy Roofing		2	4.50	4.00	--	**36.00**		
							493.65	743.04	366801.70
	Basic Rate Rs. =	688.00							
	Add 8% A.W Rs. =	55.04							
	Total =	**743.04**							
50	Providing and fixing of Aluminium composite panel of approved make and colour for wall cladding for straight Brick/Rcc /stone walls & coloumns/beams with necessary aluminium frame works at required level made out of 50x25x3mm 'C' section nor equalent. The panel should consist of 2.5mm thermoplastic core of antitoxic LDPE sandwiched between 0.25 skins thick aluminium sheet making a total panel thickness of 3mm. The surfaces will be finished with PVDF based coating on topsides and service coating on reverse sides would be in polyester paint. T he system shall be fixed using GI brackets, aluminium L cleats and stainless steel bolts and nuts complete with spring washer and cap nuts and all other necessary accessories, sealing shall be done using weather sealant of Dow Corning 789 with necessary rods etc., complete. (P No 39 INo 7.18 PW P&IWTD S.R 2018-19)								
		Sqm							
	Canopy		2	4.50	3.50	--	31.50		
	Top		2	4.50	3.50	--	31.50		
	Bottom		4	3.50	0.30	--	4.20		
	Side		2	4.50	0.30	--	2.70		
	Front								
			22	3.27	0.06	--	4.32		
	Window Chejja Top Sides		44	2.15	0.56	--	52.98		
	Windows Chejja Top		44	0.40	1.14	--	20.06		
	Window Sides		44	0.56	0.06	--	1.48		
	Windows Sides Bottom		22	1.82	0.40	--	16.02		
	Bottom		1	20.80	0.50	--	10.40		
	Mazzine Floor Balcony						**175.15**	4255.20	745302.00
	Basic Rate Rs.=	3940.00							
	Add 8% A.W Rs. =	315.20							
	Total Rate Rs. =	**4255.20**							

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Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
51	Supply And fixing box type I5 4 x 54W Fluorescent tube fixture with Electronic control gear fitting, made out of M S sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking type brass contact holders . As per specifications and as directed by the engineer incharge **(Market rate, Excluding GST)**								
		Each	60	--	--		**63.00**	33040 00	**2081520.00**
52	Providing and fixing Stainless steel 304 grade for staircase railing balconies, ramps, with hand rail, 50mm dia 16 guage hollow pipe wilded to vertical hollw 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1 20m regular intervals, and 5 Nos of 25mm dia, stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe With Etched Glass The entire assembly is fixed to staircase concrete using by expansion bolts by drilling concerte etc , complete including cost of materials, labours, HOM of machineries and electrical charges, etc , complete as per specifications as directed by the engineer incharge **(Market rate, Excluding GST).**								
	Mazzine Floor								
	Stair case Railings	**Sqm**	1	20 80	--	1 50	31 20		
			1	14 64	--	1 50	21 96		
							53.16	17000 00	**903720.00**
53	Providing and fixing storage unit of 0 75m depth made out 19mm thick commercial ply vertical support finished in approved 1 5mm laminate with 12mm thick ply packing internally finished with enamel paint of approved colour and shade shelves shall be formed out of 19mm ply finished with enamel paint of approved shade and colour and 19mm thick shutters formed out of 19mm thick ply finished with 1 5mm thick laminate of approved shade and colour etc complete the rate includes cost of all materials, labour charges, complete as per specification. (P No 324 INo 39 4 PW P&IWTD S R 2018-19)								
		Sqm	18	4 40	0 55	--	43 56		
			7	3 60	0 55	--	13 86		
							57.42	14115 60	**810517.75**
	Basic Rate Rs =	13070 00							
	Add 8% A W Rs =	1045 60							
	Total Rate Rs. =	**14115.60**							
54	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc , complete as per the specification (P No 126, I No 15 106 of SR 2018-19)								
	Ceiling	**Sqm**							
	Wall		1	12 50	4 57	--	57 13		
			2	6 25	2 90	--	36 25		
			4	4 57	2 90		53 01		
			1	4 45	2 90	--	12 91		
			1	2 10	2 90	--	6 09		
			12	1 06	0 90	--	11 45		
			2	1 20	0 90	--	2 16		
			1	2 72	0 90	--	2 45		
			8	2 15	0 90	--	15 48		
			2	2 43	0 90	--	4 37		
							201.29	84 24	**16956.84**
	Basic Rate Rs =	78 00							
	Add 8% A W Rs =	6 24							
	Total Rate Rs. =	**84.24**							
55	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer (P No 119, I No 15 51 2 of SR 2018-19)								
	Ceiling		1	12 50	4 57	--	57 13		
	Wall		2	6 25	2 90	--	36 25		
			4	4 57	2 90	--	53 01		
			1	4 45	2 90	--	12 91		
			1	2 10	2 90	--	6 09		
			12	1 06	0 90	--	11 45		
			2	1 20	0 90	--	2 16		
			1	2 72	0 90	--	2 45		
			8	2 15	0 90	--	15 48		
			2	2 43	0 90	--	4 37		
		Sqm					**201.29**	97 20	**19565.58**
	Basic Rate Rs =	90 00							
	Add 8% A W Rs =	7 20							
	Total =	**97.20**							

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Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
56	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications (P.No. 128, I.No. 15.105 of CSR 2018-19).								
	Full Building								
				2.00	25.00	3.60	180.00		
				2.00	56.70	3.60	408.24		
		Sqm					**588.24**	474.12	**278896.35**
	Basic Rate Rs. =	439.00							
	Add 8% A W Rs. =	35.12							
	Total =	**474.12**							
57	Providing and fixing out door signage board with 20mm sunboard letters with MRF Vapour coated (54letters X 9 Inches) Gold plated letters 5mm thick acrilyic with laser cutting (301 letters) BBMP logo with 12mm Round glass (5 Feet with tongher for back) & 12mm acrilylic with eco solvent print as per design, including stnds, fitxng charges. "The board shall be fixed as per the drawing and at the place indicated by the engineer in charge of the work the cost includes bare cost of all materials, scaffolding transportation charges, fixing charges, labour HOM Etc **(Market Rate,Excluding GST).**								
		Nos	1	--	--	--	**1.00**	300000.00	**300000.00**
58	Providing and fixing granite name board of size 0.85X2.45m fixed in cement morter to wall."The board shall be fixed as per the drawing and at the place indicated by the engineer in charge of the work the cost includes bare cost of all materials, scaffolding.transportation charges, fixing charges, labour HOM Etc **(Market Rate,Excluding GST).**								
		Each	1	--	--	--	**1.00**	125000.00	**125000.00**
59	KSRB 10-2. Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 3000x300mm square, (e) the whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications. (P.No 68, I.No.10.2 of PW,P&IWTD S.R 2018-19)								
	Toilet								
		Sqm							
			1	12.90	4.63	--	59.66		
			1	2.40	2.40	--	5.76		
							65.42	1086.48	71080.24
	Basic Rate Rs. =	1006.00							
	Add 8% A.W Rs. =	80.48							
	Total =	**1086.48**							
60	Supplying Chairs including transportation with all lead, lift, loading and unloading charges etc. Complete as directed by engineer incharge **(Market Rate,Excluding GST).**								
		Each	100	--	--	--	**100.00**	6500.00	**650000.00**
	Watersupply, Sanitary Works.								
61	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete (Concealed work including cutting chases and good the walls etc) - 25mm nominal OD pipes (Page No. 99 Item No. 13.86.3 PWD SR 2018-19)								
	Toilet								
		Mtr	1	75.00			**75.00**	316.44	**23733.00**
	Basic Rate Rs. =	293.00							
	Add 8% A.W Rs. =	23.44							
	Total =	**316.44**							
62	Providing and fixing chorinated poly venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall)-20mm dia P. No 99								
	Toilet								
		Mtr	1.00	100.00			**100.00**	253.80	**25380.00**

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Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Basic Rate =	235.00							
	Add 8% A. W Rs =	18.80							
	Total =	253.80							
63	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials,with 110mm outer dia(P.No.77, I.No. 11.56.2 of PWD SR 2016-17)								
	Pipe to drain	Mtr	1	200.00			200.00 **200.00**	654.48	130896.00
	Basic Rate Rs. =	606.00							
	Add 8% A.W Rs. =	48.48							
	Total =	**654.48**							
64	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (Page No. 79 Item No. 12.5 PWD SR 2018-19)								
		Each	7				7.00 **7.00**	5352.48	37467.36
	Basic Rate Rs. =	4956.00							
	Add 8% A.W Rs. =	396.48							
	Total =	**5352.48**							
65	KSRB13-6.1-2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 (P.No.93 I.No. 13.24 of CSR 2018-19)								
		Each	30				15.00 **15.00**	186.84	2802.60
	Basic Rate Rs. =	173.00							
	Add 8% A.W Rs. =	13.84							
	Total =	**186.84**							
66	KSRB13-5 : Providing and fixing water meter with stop cock, jam nut, socket in G.I pipe line including cutting and threading the pipe and making long screws including cost of all materials, labour, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.19 / 13.16 (P.No.93 I.No. 13.22 of CSR 2018-19)								
		Each	20				20.00 **20.00**	1425.60	28512.00
	Basic Rate Rs. =	1320.00							
	Add 8% A.W Rs. =	105.60							
	Total =	**1425.60**							
67	KSRB13-6.3-2 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3 (P.No. 93, I.No. 13.33 of PWD SR 2018-19)								
		Each	10				10.00 **10.00**	362.88	3628.80
	Basic Rate Rs. =	336.00							
	Add 8% A.W Rs. =	26.88							
	Total =	**362.88**							
68	KSRB 11-11.4 : Providing and fixing white vitreous china clay, flat back wash basin size 550x400mm with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (P.No.83, I.No.12.26 of PW,P&IWTD S.R 2018-19)								
		Each	6.00	--	--	--	**6.00**	3262.68	19,576.00
	Basic Rate Rs. =	3021.00							
	Add 8% A.W Rs. =	241.68							
	Total =	**3262.68**							
69	Providing Pedestal for wash basin of approved 1st quality and make conforming to ISI specifications and fixing for low down cistern as directed, rate includes cost of materials and conveyance to work spot. (P.No.89, I.No.12.108 of PW,P&IWTD S.R 2018-19)	**Each**	6.00	--	--	--	**6.00**	972.00	5,832.00

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Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Basic Rate Rs =	900.00							
	Add 8% A.W.Rs =	72.00							
	Total =	**972.00**							
70	Providing and fixing CI Naham trap of approved make conforming to ISI specifications and construction of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot) - Providing and fixing CI Naham trap of approved make conforming to ISI specifications and construction of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot) --- 10cms x 7.5cms (P.No.90, I.No.12.113.1 of PW.P&IWTD.S.R.2018-19)								
		Each	20.00	--	--	--	**20.00**	270.00	**5,400.00**
	Basic Rate Rs =	250.00							
	Add 8% A.W.Rs =	20.00							
	Total =	**270.00**							
71	KSRB 11-7.1 Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I./M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11(P.No.80, I.No.12.7 of PW.P&IWTD.S.R.2018-19)								
		Unit	5.00	--	--	--	**5.00**	3317.76	**16,589.00**
	Basic Rate Rs =	3072.00							
	Add 8% A.W.Rs =	245.76							
	Total =	**3317.76**							
72	KSRB 11.15.3 -Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost materials, labor complete as per specifications (P.No.84, I.No.12.41 of PW.P&IWTD.S.R.2018-19)								
		Each	7	--	--	--	**7.00**	1226.88	**8588.16**
	Basic Rate Rs =	1136.00							
	Add 8% A.W.Rs =	90.88							
	Total Rate Rs. =	**1226.88**							
73	KSRB 11-17-1 Providing and fixing C.P. brass towel rail 740mm length, 20mm dia with C.P. brackets, fixed to wooden cleats with C.P. brass screws including cost of materials, labor complete as per specifications (P.No.85, I.No.12.45 of PW.P&IWTD.S.R.2018-19)								
		Each	7	--	--	--	**7.00**	798.12	**5586.84**
	Basic Rate Rs =	739.00							
	Add 8% A.W.Rs =	59.12							
	Total Rate Rs. =	**798.12**							
74	KSRB 13.11.1 Providing and placing on terrace Polyethylene water storage tanks as per IS 12701 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour transport charges, HOM of equipments and testing complete as per specifications (For 1000 litre capacity) Specification NO. KBS 13.22 (P.No.96, I.No.13.78 of PW.P&IWTD.S.R.2018-19)								
		Nos	2.00	--	--	--	**2.00**	7374.24	**14,748.00**
	Basic Rate Rs =	6828.00							
	Add 8% A.W.Rs =	546.24							
	Total =	**7374.24**							
75	KSRB 2-2.2 Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m after breaking of clods complete as per specifications. Specification No KBS 2.1(a)/2.3.5 (P.No.6, I.No.2.4 of PW.P&IWTD.S.R.2018-19)								
		Cum	1	170.00	0.50	0.60	**51.00**	484.92	**24,731.00**
	Basic Rate Rs =	449.00							
	Add 8% A.W.Rs =	35.92							
	Total =	**484.92**							
76	KSRB 2-4 Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5 m including cost of all labour complete as per specifictiefions (P.No.7, I.No.2.11 of PW.P&IWTD.S.R.2018-19)								
		cum	1	150.00	0.50	0.60	**45.00**	130.68	**5,881.00**

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Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Basic Rate Rs =	121.00							
	Add 8% A W Rs =	9.68							
	Total =	**130.68**							
77	KSRB 12-8 1 Constructing brick masonry inspection chamber 600 x 600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C I cover with frame (light duty) 600 x 600mm (PWD SR2018-19 P No 75 11 50 1)								
	Inspection Chamber	**Each**	10				10.00	9169.20	**91,692.00**
	Basic Rate Rs =	8490.00							
	Add 8% A W Rs =	679.20							
	Total =	**9169.20**							
78	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No KBS (P No 103, I No 14 6 PWD 2018-19)								
	Building Front	**Sqm**	1	5.00	--	1.50	7.50		
	Basic Rate Rs =	1053.00					**7.50**	1137.24	**8,529.00**
	Add 8% A W Rs =	84.24							
	Total Rate Rs. =	**1137.24**							
	INTERNAL ELECTRICAL WORKS:								
79	Concealed Conduit System Supplying mm dia 2mm/2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc , and running before concreting the slab The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18SWG GI fish wire wherever necessary (P No 2, I No 1 2 2 of PW,P&IWTD S R 20119-20)								
	b) 25mm dia 2mm thick	Per Mtr	--	--	--	--	**500.00**	53.00	**26,500.00**
80	Groove cutting in the wall supplying dia 2mm/2.5mm thick heavy gauge PVC Conduit Pipe with bends, metal junction boxes adhesive paste etc ,and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary (P No 2, I No 1 3 2 of PW,P&IWTD S R 2019-20)								
	b) 25mm dia 2mm thick	Per Mtr	--	--	--	--	**550.00**	54.00	**29,700.00**
81	Point wiring using Copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet (P No 5, I No 2 1 1 of PW,P&IWTD S R 2019-20)								
a)	I Point wiring using class A Materialsa) Short point up to 3Mtr from tapping point to out let via switch	Each Point	--	--	--	--	**33.00**	200.00	**6,600.00**
b)	I Point wiring using class A Materials b) Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch I No 2 1 2						**78.00**	275	**21,450.00**
c)	I Point wiring using class A Materials c) Long point above 6Mtr up to 10Mtr from tapping point to out let via switch I No 2 1 3	Each Point	--	--	--	--	**70.00**	400.00	**28,000.00**
	GF								
82	Supplying 6A flush/projected type socket and 6 amps flush/projected type SP switch either surface/flush mounting in a existing gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required (P No 2, I No 3 1 of PW,P&IWTD S R 2019-20)								
	b) 6Amps 3/5 Way	Each	--	--	--	--	**80.00**	132.00	**10,560.00**
83	Supplying and mounting 2 Nos. of 2 way 6 amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flush mounted wooden box and wiring as required (P No 15, I No 3 1 2 of PW,P&IWTD S R 2019-20)								
							8.00	150	**1,200.00**
84	Supply and fixing of bakelite D P/Socket/ switch with/without neon indicator over existing wood board or flush mounting in plastic plates/nitches (P No 15, I No 3 1 2 of PW,P&IWTD S R 2019-20)								

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No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	i Using Group 'A' Material a) 32Amps Flush/projected type DP switch								
							17.00	182	3,094.00
	i Using Group 'A' Material c) 16Amps Flush type Universal socket								
		Each	--	--	--	--	17.00	98.00	1,666.00
	i Using Group 'A' Material e) Electronic stepped regulator								
		Each	--	--	--	--	15.00	211.00	3,165.00
85	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring (P No 6, I No 2 5 7 of PW,P&IWTD S R 20119-20)								
	i Group A 2C 2 5 sqmm								
		Mtr.	--	--	--	--	2100.00	70 00	147000.00
86	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulators etc , and fixing on existing wooden or metal box using N F screws (P No 17, I No 3 9 of PW,P&IWTD S R 2019-20)								
							500.00	0 24	120.00
		Sq Cm							
87	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size mm conduit using necessary machine screws (P No 17, I No 3 10 2 of PW,P&IWTD S R 2019-20)								
	b)110mm	No							
							15	11	165.00
88	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size mm conduit using necessary machine screws (11 26)								
	b)110mm	No	--	--	--	--	20.00	11.00	220.00
89	Supplying And Fixing Metal Fan Box with Round Hook (11 32)								
		No	--	--	--	--	13.00	85 00	1105.00
90	Supplying and fixing PVC conduit deep Junction boxes Pg 2 item 1 5								
	19/20mm deep junction box	Nos	--	--	--	--	30.00	43 00	1290.00
	25mm deep Junction boxes		--	--	--	--	25.00	47.00	1175.00
91	Supplying PVC/GI flexible conduit pipe mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and on either end of the pipe terminated completely (Pg No. 3 It No. 1.9 Ele SR 2019-20)								
	20mm	m	--	--	--	--	100 00	22 00	2200.00
	25mm		--	--	--	--	110 00	28 00	3080.00
	50mm		--	--	--	--	25 00	54 00	1350.00
92	Groove cutting in the wall supplying Dia 2mm/2 5 mm thick heavy gauge PVC Conduit pipe with bends,metal junction boxes adhesive paste etc and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary Pg 2 item1 3								
	1 3 1 19/20mm dia 2mm thick	m	--	--	--	--	600 00	51 00	30600.00
	1 3 2 25mm dia 2mm thick		--	--	--	--	750 00	54 00	40500.00
	1 3 3 32mm dia 2 5mm thick		--	--	--	--	250 00	81 00	20250.00
	1 3 4 40mm dia 2 5mm thick		--	--	--	--	200 00	93 00	18600.00
93	Supplying and flush mounting powder coated galvanized metal box suitable for mounting switch plates The box should be firmly flush mounted after due groove cutting in Brick/stone C C wall Pg 19 item 3 4								
	1-3 way	Nos	--	--	--	--	30 00	95 00	2850.00
	4-5 way		--	--	--	--	30 00	105 00	3150.00
	6 way		--	--	--	--	10 00	125 00	1250.00
	8way		--	--	--	--	30 00	145 00	4350.00
	10-12 way		--	--	--	--	25 00	165 00	4125.00
	16 -18way		--	--	--	--	4 00	180 00	720.00
94	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required no.s of machine screws,bolts,nuts etc complete on the existing metal/PVC box Pg 9 item3 5								
	1 to 3 module	Nos	--	--	--	--	30 00	110 00	3300.00
	4 module		--	--	--	--	30 00	125 00	3750.00
	6 Module		--	--	--	--	10 00	175 00	1750.00
	8 module		--	--	--	--	30 00	200 00	6000.00
	10-12 module		--	--	--	--	25 00	230 00	5750.00
	16-18 module(market Rates)						4 00	270 00	1080.00
95	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100 V grade ,multistrand copper conductor single core cable in open or concealed system of wiring as per IS-694 1990 & confirming to GTP of Group -B Pg 6 item 2 6								
	1 5 sqmm	m	--	--	--	--	2000 00	60 00	120000.00
	2 5 sqmm		--	--	--	--	200 00	98 00	19600.00
	4 sqmm		--	--	--	--	600 00	140 00	84000.00

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No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
96	Supplying and mounting 2 Nos of 2 way 6 amps flush type switches either surface/flush mounted on existing gang box of m 4mm thick plastic sheet and mounted on a flush mounted wooden box and wiring as required (6/13 Item No 3 2 Pg No 9 EH 2019-20								
	GI	Each	300	--	--	--	300 00	150 00	45000.00
97	Fixing all types and all capacities of fluorescent false ceiling /spot light/CFL fittings indoor on the wall /ceiling /rafters/girders using 23/0 0076" twin twisted PVC insulated wires required Nos of round blocks and clamps (if required) Pg 79 item 14 7 1								
	a) On wall ceiling Rafters/Girders	Nos	30 00	--	--	--	30 00	110 00	3300.00
98	Supply of 2X2' LED recessed/Surface lumisanaire with Watts system wattage Husing shall be with pressure die cast aluminium alloy with corrosing proof resistant polyester powder coated Driver operates with voltagerange from 100v to 270V50/60 Hz with short circuit, overload & mis-wring protection Lumen maintenance of 70% at 50000 Hrs injection moulded poly carboanate diffuser for better mechanical stability, light transmission & avoid pot hole effect Junction temperature shall be - 70 degree Celsius Driver is on constant current driver @ 0 06A with PF > 0 9, line voltage @ 50Hz, driver efficiency > 85% & THD< 15% LED Efficiency > 130 lm/W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens with < 8mm depth 5 years Warranty against any manufacturing defect working under standard electrical condition I No 12 6 2								
	LED Modular downlight 2'x2' 36 watts	Nos	20 00	--	--	--	20 00	5200 00	104000.00
99	Supplying and running of GI/Copper strips for grounding connections,using Inecessary fixing materials as required Pg 40 item 6 3								
	GI strip								
	25 x3mm	m	18 00	--	--	--	18 00	75 00	1350.00
	600x600x3mm Copper plate	Nos	5 00	--	--	--	5 00	6900 00	34500.00
100	Supplying capacitor type ceiling fan complete with down rod blades,shackle,canopies etc for operation on 230 Volts 50 cycles Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved pg 46 sl no 7 3 1 SR 48" sweep(1200mm)								
	Regular model	nos	15 00	--	--	--	15 00	2090 00	31350.00
101	Fixing a ceiling/wall mounting fan of all capacities and all types to the existing Shook with fan regulator to the existing board together with supplying and fixing a 5 amperes ceiling rose ,necessary length of 23 /0 0076" inch PVC insulated twin twisted copper wire and wiring Pg 80 sl no 14 8								
		nos	10 00	--	--	--	10 00	150 00	1500.00
102	Supplying of 1440 rpm heavy duty exhaust fan with bracket , blades suitable ti operate on 230 Volts 50 HZ ACsupply complete pg 46 item 7 2								
	12" Sweep (300mm)	nos	10 00	--	--	--	10 00	2100 00	21000.00
103	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc , with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting etc , complete Pg No 28 It No 5 18 8								
	II - Double Doorc) 12Way SP &N Group 'A'	Each	2	--	--	--	2 00	1800 00	3600.00
104	Supplying of 1 1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 P No 40 Item no 6 4 5								
	Class 'A' PVC Cable 3 5 core 25 sqmm	Mtr	45	--	--	--	45 00	180 00	8100.00
105	Supplying of recess mounting non integral type LED W luminaire comprising of pressure decast/extruded aluminium housing with spring loaded fase ceiling clamps Power LEDs with CCT 6500 degree K, CRI> 70% efficacy >100 lumen per watt, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80 The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level LEDs are driven by HF electronic driver integrated in a separate control gear assembly , with PF > 0 95, power loss should < 5% of lamp wattage , short circuit & open circuit protection to be integrated in the circuit, , THD less than 20%, Life as per LM 79 The operating input voltage should be between 130 to 275 volts BIS Approved and Tested by NABL/ CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition LED modular down light 1'x1' 34 -22watts P No 65 Item no 12 6 1								
		Each	11	--	--	--	11 00	2642 00	29062.00
106	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1 1 KV class (metal only) P No 42 item No 6 11 6								
	63Sqmm	Each	8	--	--	--	**8.00**	388 00	3104.00
107	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the follosing sizes P W D EL S R 2019-20 P No 43 Item No 6 17 7								
	25 sqmm Long Barrel	Each	4	--	--	--	**4.00**	20 00	80.00

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No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
				m	m	m			
108	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required (P No 40, I No 6 16 of PW,P&IWTD S R 2019-20) I No 5 12 4								
	c) 6-32Amps DP Group 'A'								
		Each	--	--	--	--	**8.00**	909 00	**7,272.00**
	f) 40-63Amps TPN Group 'A'								
	GI 5 12 9								
		Each	--	--	--	--	**5.00**	2397 00	**11,985.00**
109	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker [ELMCB] 240/450V up to 300mA sensitivity on existing wood panel board (P No 47, I No 18 4 3 of PW,P&IWTD S R 2019-20)								
	d) 63 Amps 4 pole								
	GI								
		Each	--	--	--	--	**4.00**	3200 00	**12,800.00**
110	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08 Power Factor >0 9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection Compatible for pole mouting with outer dia of 40mm to 50mm Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS UL approved MCPCB Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools LED Light fixture with W System Power consumption LED Efficiency>130lm/w, nominal CRI >75 Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & development facility certified by ISO 9001 2008 Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source LED Streetlight 120 Watts P No 67 I No 12 8 5								
		Each	--	--	--	--	**10.00**	9200 00	**92,000.00**
111	Providing an fixing "HORSE SHOE TABLE" of overall size 4500x2200x750mm s using teak wood of section 100x100mm of legs, at suitable intervals, 50x75mm section horizontal support at top ,50x100mm section horizontal support at bottom a shown in figure The top of the table which should be 600mm in width all along, is covered with 19mm thick block board an d1 50mm thick Formica sheet fixed on top of the block board, all of approved make The inside vertical surface is covered with size 6mm thick one side teak plywood including providing teak wood beading all-round the table for good aesthetic appearance, including joining the wooden sections properly using nails/screws, fevicol complete as per specification including cost of all material and labour, painting, lead and lift, and as per the direction of engineer-in-charge of work ans also as per drawing appended (Page No.331, Item No 39 13 3 PW,P&IWTD S R 2018-19)								
		Sqm	1	4 50	--	2 20	**9.90**	10605 60	**104995.44**
	Basic Rate Rs =	9820 00							
	Add 8% A W Rs =	785 60							
	Total Rate Rs. =	**10605.60**							
112	Providing ,fabricating and fixing partition frame work consisting of 50mm x50mm sal wood frame work at spacing not exceeding 600mm c/c fixed to the bottom and ceiling, the partition shall be skinned on both sides using 12mm thick commercial plywood of approved brand termite and water resistance, and top covered with 4mm thick approved quality veneer finished with melamine polish, complete including cost and conveyance of all materials, labour, for all items of work. HOM of equipment as per specification (Page No 325, Item No 39 9 PW,P&IWTD S R 2018-19)								
		Sqm	1	20 70	--	3 00	**62.10**	16647 12	**1033786.15**
	Basic Rate Rs =	15414 00							
	Add 8% A W Rs =	1233 12							
	Total Rate Rs. =	**16647.12**							
113	Supplying of ..TR split Air conditionerssuitable for operation on A/C supply single phase 50HZ 230Volts with hermetically sealed compressor with air cooled condenser, motor capacitor and start run capacitors, relay and over laod protector internal unit,with one indoor and one outdoor unit The condenser unit will be placed outside the room on the terrace to avoid noise including standard length of suitable size copper tubing covered with insulation tube.(High wall chorded/cordless)suitable capacity 3core sheathed /PVC copper cable and a battery operated wireless remote unit (5Star) 9 6 2 3 2 ton capacity I No 7 7 3 P No 47								
		Each	2	--	--	--	**2.00**	70092 00	**140184.00**
	Basic Rate Rs =	64900 00							
	Add 8% A W Rs =	5192 00							

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No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
	Total Rate Rs. =	**70092.00**		m	m	m			
114	Providing and fixing meeting table consisting of 25mm thick PLPB table topedge bounded , 25mm thick PLPB eith edge bonded End table, 18mm thick PLPB with edge bonded modesty, Hardware-Minifix assembly and screw leg , as per specification, drawings and as direced by Engineer in charge 2400 mm Dia X 1200 mm D X 750 mm Ht (12 Seater) (Page No 335, Item No 39 21 2 PW,P&IWTD S R 2018-19)	**Nos**	3	--	--	--	**3.00**	20000 00	**60000.00**
115	Providing and fixing meeting table consisting of 25mm thick PLPB table topedge bounded , 25mm thick PLPB eith edge bonded End table, 18mm thick PLPB with edge bonded modesty, Hardware-Minifix assembly and screw leg , as per specification, drawings and as direced by Engineer in charge 1500 mm Dia X 900 mm D X 750 mm Ht (6 Seater) (Page No 335, Item No 39 21 1 PW,P&IWTD S R 2018-19)	**Nos**	5	--	--	--	**5.00**	12050 00	**60250.00**
116	Supplying Wall Mounting fan Suitable to operate at single phase 230v AC supply 450mm Sweep (Page No 46, Item No 7 3 2 PW,P&IWTD S R 2019-20)	**Each**	10	--	--	--	**10.00**	4000 00	**40000.00**
117	**Geophysical investigation** of site for Sinking borewell for supplying drinking water to the habitations either through the hand pump,MWS,P W S S by vertical electrical sounding by adpoting venner or Schlumberger's method,including reconnaissance survey of Geological formation Geophysical investigation of existing ground indecundity its quality & acceptability of the users indicating the location of site,recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1 0 metre inconsolidated formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped,probable yield and other information required including transportation of instrument and accesories to work site,engaging technical personal and labour required etc ,(Issue rate as on date 02/05/2019 lt 13 04)	No	1				1 00	3768 00	3768 00
118	**Sinking borewell of 165 mm** dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all								
	0 to 50 m	Rmt	1	50 00			50 00	347 00	17350 00
	50 to 100 m	Rmt	1	50 00			50 00	442 00	22100 00
	100 to 150 m	Rmt	1	50 00			50 00	456 00	22800 00
	150 to 200 m	Rmt	1	50 00			50 00	536 00	26800 00
	200 to 250 m	Rmt	1	50 00			50 00	634 00	31700 00
	250 to 300 m	Rmt	1	50 00			50 00	700 00	35000 00
	300 to 350 m	Rmt	1	50 00			50 00	825 00	41250 00
	350 to 400 m	Rmt	1	50 00			50 00	900 00	45000 00
	400 to 420 m	Rmt	1	20 00			20 00	1129 00	22580 00
119	Providing and fixing **250mm dia PVC (casing pipe)** (page no XXXI, SL no 909) (KPWD SR 2016-17)	Rmt	2	6.00			12 00	2600 00	31200 00
120	Supply of ISI Mark **175mm** nominal Bore, Plain end **steel casing Pipe**-grade of steel Fee 4100 of wakk thickness 504mm thick confirming to IS 4270 2001 and latest amendments, electric resistance welded steel electric or basic oxygen process in fandom length of 5 to 7mtr Both ends threaded confirming to Is554/1985 one end fixed with socket confirming to IS 270 2001 and other end with screwed pipes All pipes shall be reasonably free from defectes The tubes shall be resonably straigth should be with ISI Marking Weighting 25 10 kg/mtr (Inclusive of all taxes and durties) Prices include Collar - medium duty (Page No III lt no 84)PRED SR 2012-13	Rmt	1	50 00			50 00	1325 00	66250 00
121	Providing **175mm Dia M.S. Collar** (P No III,I No 86) PRED SR 2012-13	No	8				8 33	150 00	1250 00
122	Providing **175mm dia Bore Cap** CE (M) (P No III,I No 85) PRED SR 2012-13	No	1				1 00	100 00	100 00
123	Atalanta suguna CRI **KIRLOSKAR** and other equipments **pumps** 10 00 **HP/7.5 KV (20 stage)** (Pg No XLI Sl no 29) KPWD SR-2018-19	No	1				1 00	49955 00	49955 00
124	Providing and fixing in trenches **galvinised/mild steel tube 50mm dia nominal bore** with all fittings (earth work in trenches to be measured and paid for seperately) including cost of all materials, labour charges,HOM of equipment and testing complete as per specifications Specification No KBS 13.2.14/13 6 (page no 92/lt no 13 15)KPWD SR 2018-19.								
	Basic rate	388 00							
	A W @ 6%	23 28							
	Total	**411.28**							
		Rmt	1	370.00			370 00	411 28	152174 00

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Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
125	Supplying and drawing **3 core flat PVC** sheathed submersible **pump cable** maufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and power coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694 1990 and confirming to the attwached GTP of group A 3CX4 0 sq mm (PWD Ele SR 201-20,P-7/It-2 10 3) Add 5mts for Switching	Rmt	2	375 00			750 00	140 00	105000 00
126	Providing and fixing in position **50mm Nominal bore non-return valve** vertical type of approved make including cost of all materials,labour and HOM of equipment with all leads complete as per specifications (PWD SR 18-19,P-95/It no 13 62)								
	Basic rate	1269							
	A W @ 6%	76 14							
	Total	**1345.14**							
127	Spplying and fixing **50mm GI Union** (PWD SR 2016-17,P-XXXIX)	No	1				1 00	1345 14	1345 00
128	Spplying and fixing **50mm GI Elbow**.(PWD SR 2016-17,P-XXXIX)	No	1				1 00	223 70	224 00
129	Spplying and fixing **50mm GI Nipple.**(PWD SR 2016-17,P-XXXIX)	No	1				1 00	111 80	112 00
130	Spplying and fixing **50mm GI Hose colleres**(PWD SR 2016-17,P-XXXIX)	No	1				1 00	104 30	104 00
131	Supplying and fixing 20" x 20" x 2.5" polished **wood board** made of not less than 15mm thick plank on both the sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc . P no 44 I no 6 6 6 KPWD ELE SR 2019-20	No	62				62 00	103 00	6386 00
132	Supplying and fixing miniature circuit breakers on existing **MCB distribution board** using necessary fixing materials and 'C' type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.(PWD Ele SR 2019-20,P-47/Sl no 6 16 6) 50-63 Amps	No	1				1 00	292 00	292 00
133	Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG powder coated point of approved colour 32 amps (PWD Ele SR 2019-20,P-24,It-5 5 1)	No	1				1 00	2397 00	2397 00
134	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DC(PWD Ele SR 2019-20,p-29,Sl no 5 38)	No	1				1 00	1800 00	1800 00
135	Suppling fully automatic star delta starter unit push button type with suitable wires 2 conductors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts phase and wired after fixing to the existing wooden board for motor upto 12 5HP(PWD Ele SR 2019-20,p-24,Sl no.-5.2.1)	No	1				1 00	430 00	430 00
136	Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motar up to 20 HP capacities (PWD Ele SR 2019-20,p-44/Sl no 5 3)	No	1				1 00	6400 00	6400 00
137	Wiring for lighting power circuit using one of FRLS PVC insulated 1100V grade multistrand copper conductor single core wire in open or concealed system of wiring as per IS 694 1990 & conforming to the attached GTP of group A 4 sqmm (PWD Ele SR 2019-20,p-6,It-2 3 4(d)	No	1				1 00	745 00	745 00
138	Supplying fixing and wiring heavy duty low voltage capacitors conforming to IS 2834 phase 400/440 volts grade, for power factor improvement of rotating machinery (PWD Ele SR 2019-20,p-29/Sl no.5 37)	Mtrs	1	20 00			20 00	45 00	900 00
139	Supplying, fixing, wiring, earth electrode for grounding conduits, I C cotouts and other equipments on the meter board using 40mm dia 2 90 thick GI pipe 2 5 mtr long buried in a pit . The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth The connection from the to the conduit etc., is to be established through GI wire of size as per ISI specification 7 3 3 of IS 732 using 12mm dia (PWD Ele SR 2019-20,p-40,Sl no 6 1)	No	4				4 00	400 00	1600 00
140	Digging of trench of 0 36mtrs deepx0 5 mtrs wide refilling the trench to the required gorund level and consolidating etc . complete (PWD Ele SR 2019-20,p-41,It-6.6.2) hard soil	No	1				1 00	2999 70	3000 00

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Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
141	Supplying laying 1.1 KV class LT UG cable having aluminium conductor PVC insulated extruded inner shethed galvanised steel strip (excep 2cx 10 sqmm wire armoured) confirming to IS-3975:1990 (No. of strip indicated in GTP) and extruded PVC outer sheathed armoured cable with specified IS-1554,part-1:1988 and confirming to the attached GTP of group A 4 core 16 sq mm PWD Ele SR 2019-20,p-40,It-6.4.4)	Mtrs	1	8.00			8.00	102.00	816.00
142	Labour charge for laying 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/ on wall / on poles as required in existing trench/duct 6 sq mm to 16 sq mm(PWD Ele SR 2019-20,p-41,It-6.5.1)	Mtrs	1	10.00			10.00	150.00	1500.00
143	Supplying and fixing class-A(medium duty) GI pipe wall thickness not less then 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1KV class 40mm(PWD Ele SR 2019-20,p-41,It-6.9.1)	No	1	25.00			25.00	11.88	297.00
144	Supplying and fixing LT cast iron pot heads suitable for 1.1KV class UG cable filled with necessary bitumen / insulating compound complete with terminals,clamps bolts and nuts and washer etc.,complete for 16 sq mm as per specifications.(PWD Ele SR 2019-20,p-42,It-6.10.2)	Rmt	1	2.00			2.00	335.00	670.00
145	Supplying and fixing porcelain fuse channel with cut out on the existing wooden block and wiring complete 63 amps(PWD Ele SR 2019-20,p-25,It-5.7.3)	No	1				1.00	270.00	270.00
146	**Dismantling of cement concrete pavement** by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (KPWD SR 2018-19, P-140, It 18.47)	No	3				3.00	227.00	681.00
	Basic rate	899.00							
	A.W @ 6%	53.94							
	Total	**952.94**							
	Block 1								
	Main line 1	Cum	1	50	0.45	0.20	4.50		
	Other Connection		10	10.00	0.45	0.20	9.00		
							13.50	952.94	12865.00
147	**Earthwork excavation** for foundation of buildings, **water supply**, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in hard soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5 (KPWD SR 2018-19, P-6, It-2.4)								
	Basic rate	449.00							
	A.W @ 6%	26.94							
	Total	**475.94**							
	Block 1								
	Main line 1	Cum	1	96	0.45	0.30	12.96		
	Other Connection		10	10.00	0.45	0.30	13.50		
							26.46	475.94	12593.00
148	Providing and fixing **Chorinated Poly Venyl Chloride (CPVC) pipes** conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (external work) - **50mm nominal** OD pipes (KPWD SR 2018-19, P-99, It-13.87.6)								
	Basic rate	432.00							
	A.W @ 6%	25.92							
	Total	**457.92**							
	Block 1						96.00		
	Main line 1	Mtr	1	96			96.00	457.92	43960.00
149	Making connection of **G.I.distribution** branch with G.I.main of 25mm to 40mm. Nominal bore, including cutting and threading the pipes,providing and fixing Tee, nuts,labour for all item of works,testing and HOM of equipments complete as per specifications. (P.No.93/ I.No. 13.20 of KPWD SR 2018-19)								
	Basic rate	483.00							
	A.W @ 6%	28.98							
	Total	**511.98**							
	Other Connection	Each	10				10.00	511.98	5120.00
150	Providing and fixing **Chorinated Poly Venyl Chloride (CPVC) pipes** conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work) - **20mm nominal** OD pipes (KPWD SR 2018-19, P-98, It-13.85.2)								

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Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Basic rate	157.00							
	A.W @ 6%	9.42							
	Total	**166.42**							
	Distribution line	Mtr	10	10.00			100.00		
	Tap Connection		10	1.00			10.00		
							110.00	166.42	18306.00
151	Providing and fixing to wall, ceiling and floor **Medium density polyethylene pipes** 6.00 kgf/sq.cm working pressure **25mm outside diameter** with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No KBS 13.2.15.1 / 13.9 (KPWD SR 2018-19, P-95, It-13.67)								
	Basic rate	129.00							
	A.W @ 6%	7.74							
	Total	**136.74**							
	for other Purposes	Mtr	1	235.00			235.00		
							235.00	136.74	32134.00
152	KSRB 2-4 : **Refilling available around earth pipe lines**,cables in layers mot exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. And lift upto 1.5m. Including cost of all labour complete as per specifications.(KPWD SR 2018-19, P-7, it-2.11)								
	Basic rate	121.00							
	A.W @ 6%	7.26							
	Total	**128.26**							
	70% of Qty Vide item No.31	Cum					18.52	128.26	2376.00
153	**Loading and unloading** of stone boulder/stone aggregates/sand/kanker/ moorum. KSRRB M100-1:Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (KPWD SR 2018-19,P-136, it.17.1)								
	Item No:-17.1 Loading	57.00							
	Conveying for 16km	40.96							
	Total	97.96							
	Balance Qty Vide item No. 30+ 30% of 31 item	Cum					21.44		
							21.44	97.96	2100.00
155	KSRB 2-4 : Providing and fixing in position **brass gate valve** with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials,labour and HOM of equipments with all leads complete as per specifications. (P.No.94/ 1.No 13.37 of KPWD SR 2018-19)								
	Basic rate	1739.00							
	A.W @ 6%	104.34							
	Total	**1843.34**							
	For Main Line	Each	1				1.00	1843.34	1843.00
156	KSRB13-6.2-1 : Providing and fixing in position **brass stop cock** of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 (Pg No.-93/1 No:-13.26 of KPWD SR 2018-19 2018-19)								
	Basic rate	141.00							
	A.W @ 6%	8.46							
	Total	**149.46**							
	Tap Connection	Each	10				10		
							10.00	149.46	1495.00
157	KSRB 4-1.3 : Providing and laying in position **plain cement concrete** of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, 1.No. 4.3 of KPWD SR 2018-19)								
	Basic rate	5102.0							
	A.W @ 6%	306.12							
	Total	**5408.12**							
	Block 1	Cum	1	90	0.45	0.15	6.48		
	Main line 1		10	10.00	0.45	0.15	6.75		
	Other Connection						13.23	5408.12	71549.00

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Sl	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
15	SCDM deposit Charges and miscellaneous	No	1.00				1.00	12000.00	12000.00
	Sub Total Rs.								50,105,799.22
	TENDER PREMIUM 5%								2,508,289.96
	GST 12%								6,320,890.70
	Add 1 % For PMC								501,057.99
	Add 1 % For DPR								501,057.99
	Miscelleneous & Rounding off								1,704.13
	TOTAL AMOUNT Rs							Total Rs.	60,000,000.00

CERTIFICATE:

1 The work spot has been inspected by me and the work is found to be necessary
2 The estimate is prepared as per PW, P&IWTD S R Bangalore circle for the year 2018-2019 & Data Rate Approved
3 The Provisions made in the estimate are quite necessary and adequate
4 The area comes with in the BBMP limits

Consultants

B.K.
Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Assistant Executive Engineer
ರಾಜರಾಜೇಶ್ವರಿನಗರ ವಲಯ ಮುಖ್ಯ-ವಿಭಾಗ-02
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Executive Engineer (Project)
Bruhat Bangalore Mahanagar Pa
Rajarajeshwari Nagar Zone

Administrative approved for Rs. 6,00,00,000/-
Rs. Six Hundred lakhs only
under the head P-3588 is accorded
By E.E.(P), R.R.N. AS.No/11/20-21 Dt: 10.11
Registered as EE(P), R.R.N No.11 subject to conditions contained in enclosed memo No. AS/11/20-21 Date 01/07/2020

AEE/TA

E.E(P), R.R.N

TECHNICAL SANCTION

Rs: 60000000/- Rs Six Hundred lakhs only is accorded under the head: P-3588

By CE(R.R.N.) Pg No 74&75
Registered as CE (R.R.N) No 289/20-21 subject to conditions contained in enclosed memo No: 289/20-21 Dt: 21/12/2020

TA.

CE (R.R.N.)

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